FM2A85X Extreme4-M

AMD A85X FCH (Hudson-D4)

ASRock
www.asrock.com

AMD Radeon HD 7000 Series Graphics

DirectX® 11

X-Boost

P7800+ 3DMark Vantage

Fast Boot

Restart to UEFI

OMG (Online Management Guard)

Google Chrome Browser & Toolbar

Product Brief

- Support for Socket FM2 100W processors
- ASRock DuraCap
- AMD A85X Hudson D4 Chipset Supports Native 8 x SATA3, 4 x USB 3.0 Ports
- Supports Dual Channel DDR3 2600+(OC)
- Supports Intel XMP 1.3/1.2 and AMD Memory Profile
- Supports AMD Quad CrossFireX™, CrossFireX™ and Dual Graphics
- Built-in AMD Radeon HD 7000 series graphics, DX 11, PS 5.0
- Multi-VGA Output : D-Sub, DVI-D, HDMI
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec), Supports THX TruStudio™
- Supports ASRock X-Boost, XFast 555, Fast Boot, Restart to UEFI, OMG, Dehumidifier, Easy RAID Installer, Interactive UEFI
- Supports AMD Steady Video 2.0
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite, Google Chrome Browser and Toolbar

Detail Specification

Platform	- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm - ASRock DuraCap (2.5 x longer life time) (100% Japan-made high-quality Conductive Polymer Capacitors)
CPU	- Support for Socket FM2 100W processors - 4 + 2 Power Phase Design - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
Chipset	- AMD A85X (Hudson-D4)
Memory	- Dual Channel DDR3 memory technology - 4 x DDR3 DIMM slots - Supports DDR3 2600+(OC)/2400(OC)/2133(OC)/1866/1600/1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 64GB - Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2 - Supports AMD Memory Profile (AMP)
Expansion Slot	- 2 x PCI Express 2.0 x16 slots (PCIE1 @ x16 mode; PCIE3 @ x4 mode) - 1 x PCI Express 2.0 x1 slot - 1 x PCI slot - Supports AMD Quad CrossFireX™, CrossFireX™ and Dual Graphics
Graphics	- AMD Radeon HD 7000 series graphics - DirectX 11, Pixel Shader 5.0 - Max. shared memory 512MB - Three VGA Output options: D-Sub, DVI-D and HDMI - Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz - Supports Dual-link DVI with max. resolution up to 2560x1600 @ 75Hz - Supports D-Sub with max. resolution up to 1920x1600 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports Blu-ray Stereoscopic 3D with HDMI 1.4a - Supports AMD Steady Video™ 2.0: New video post processing capability for automatic jutter reduction on home/online video - Supports HDCP function with DVI and HDMI ports - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray audio support - Supports THX TruStudio™
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse/Keyboard Port - 1 x D-Sub Port - 1 x DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x eSATA3 Connector - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 7 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 5 and RAID 10), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 2 x Rear USB 3.0 ports, support USB 1.1/2.0/3.0 up to 5Gb/s - 1 x Front USB 3.0 header (supports 2 USB 3.0 ports), supports USB 1.1/2.0/3.0 up to 5Gb/s
Connector	- 7 x SATA3 6.0 Gb/s connectors - 1 x IR header - 1 x CIR header - 1 x Print port header - 1 x COM port header - 1 x Power LED header - 1 x Chassis Intrusion header - 2 x CPU Fan connectors (1 x 4-pin, 1 x 3-pin) - 1 x Chassis Fan connector (4-pin) - 1 x Power Fan connector (3-pin) - 24 pin ATX power connector - 8 pin 12V power connector - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports) - 1 x USB 3.0 header (supports 2 USB 3.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - DRAM, APU PCIE VDDP, CPU and CPU NB/GFX Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), AMD Live! Explorer, AMD Fusion, CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite - OEM, Google Chrome Browser and Toolbar
Unique Feature	- ASRock Extreme Tuning Utility (AXTU) - ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock XFast USB - ASRock XFast LAN - ASRock XFast RAM - ASRock Crashless BIOS - ASRock OMG (Online Management Guard) - ASRock Internet Flash - ASRock UEFI System Browser - ASRock On/Off Play Technology - ASRock Dehumidifier Function - ASRock Easy RAID Installer - ASRock Interactive UEFI - ASRock Fast Boot - ASRock X-Boost - ASRock Restart to UEFI - Hybrid Booster: - ASRock U-COP
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan - CPU/Chassis Fan Multi-Speed Control - CASE OPEN detection - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® 8 / 8 64-bit / 7 / 7 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 4 x SATA data cables

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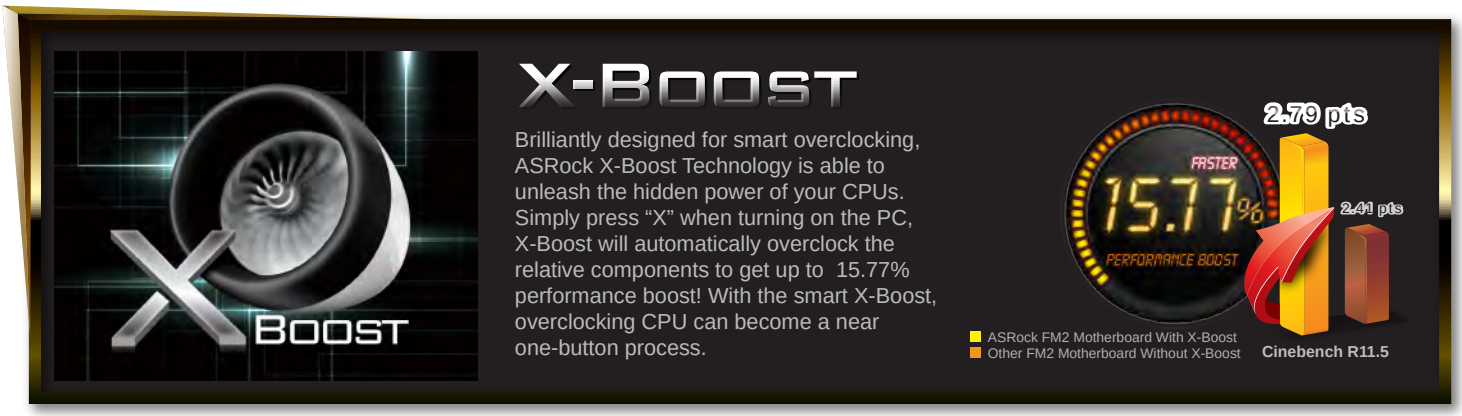
X-BOOST
Brilliantly designed for smart overclocking, ASRock X-Boost Technology is able to unleash the hidden power of your CPUs. Simply press "X" when turning on the PC, X-Boost will automatically overclock the relative components to get up to 15.77% performance boost! With the smart X-Boost, overclocking CPU can become a near one-button process.
FASTER
15.77%
PERFORMANCE BOOST
2.79 pts
2.41 pts
ASRock FM2 Motherboard With X-Boost
Other FM2 Motherboard Without X-Boost
Cinebench R11.5

Windows 8 Support
Fast Boot
With ASRock's exclusive Fast Boot technology, it takes less than 1.5 seconds* to logon to Windows 8 from a cold boot. No more waiting! The speedy boot will completely change your user experience and behavior.
*The boot time may vary with a different configuration.
Fast Boot
Restart to UEFI
ASRock "Restart to UEFI" technology is designed for those requiring frequent UEFI access. It allows users to easily enter the UEFI SETUP automatically when turning on the PC next time.
Restart to UEFI

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DDR3 2600+ Support

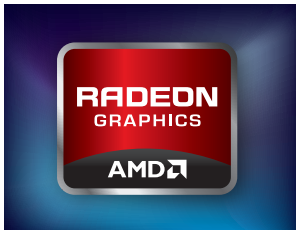
ASRock AMD FM2 motherboards unlock maximum memory performance, coming with 4 DIMM slots for dual-channel memory, supporting up to DDR3 2600+(OC) MHz!

AMP & XMP

Not only supporting AMD Memory Profile (AMP), ASRock FM2 Motherboard Series also come with Intel XMP memory tuning kits, making it's easy to get maximum memory performance from your system.

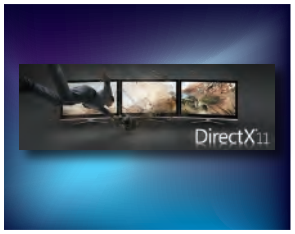
AMD Radeon HD 7000 Series Graphics

Engineered for supremacy, designed for efficiency and packed with incredible features, the AMD Radeon HD 7000 Series offers the world's most advanced graphics.



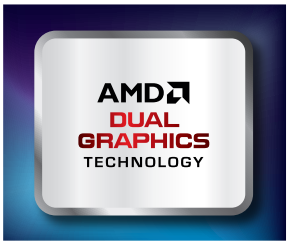
DirectX® 11

DirectX® 11 is the very latest in high-speed, high-fidelity gaming and computing. It can enable not just more visually stunning games, but significant performance improvements in some of your favorite websites and everyday applications.



AMD Dual Graphics

The AMD Dual Graphics technology combines APU and GPU computing power to optimize user's visual experience.



AMD Steady Video 2.0

Bringing the best video experience! Compared to v1.0, AMD Steady Video 2.0 provides more tech advances such as Letter/Pillar Boxed Content, Indicator Overlay, Enhanced Algorithm Effectiveness, etc.

XFast 555
(XFast RAM, XFast LAN, XFast USB)

ASRock unique XFast 555 Technology (XFast RAM, XFast LAN, and XFast USB) allows users to experience 5 times performance boost in terms of system performance, LAN speed and USB transfer speed.

ASRock Dehumidifier

Users may prevent motherboard damages due to dampness by enabling "Dehumidifier Function". When enabling Dehumidifier Function, the computer will power on automatically to dehumidify the system after entering S4/S5 state.

Interactive UEFI

ASRock Interactive UEFI is a blend of system configuration tools, cool sound effects and stunning visuals. The unprecedented UEFI provides a more attractive interface and brings a lot more amusing.

ASRock OMG
(Online Management Guard)

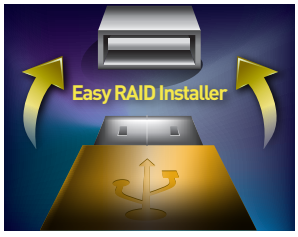
Fast, Easy and Free – ASRock OMG technology allows you to establish an internet curfew or restrict internet access at specified times. Administrators are able to schedule the starting and ending hours of internet access granted to other users.

Internet Flash

Internet Flash searches for available UEFI firmware updates from ASRock servers. System can auto-detect the latest UEFI from our servers and flash them within UEFI setup without entering Windows ® OS.

Easy RAID Installer

Easy RAID Installer can help you install the RAID driver easily without floppy drive. It can copy the RAID driver from a support CD to your USB storage device with just one simple click in UEFI setup.



THX TruStudio

THX TruStudio is specially designed to bring the same great audio experience found in live performances, films, and recording studios to the PC.

Google Chrome Browser & Toolbar

Chrome is a fast, simple, and secure web browser, built for the modern web. Google Toolbar is designed to help you find what you're looking for quickly and discover new things along the way.

Cyberlink MediaEspresso 6.5 Trial

CyberLink MediaEspresso 6.5 trial supports hardware transcoding and is optimized to accelerate conversion of all your favorite media files for your favorite portable players.

MAGIX Multimedia Suite

The ultimate solutions to enhance your media experience. From music management, music creation, video editing to photo management. Simply do more with your media than you ever thought possible.

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